SECTION 1: Identification of the substance/mixture and of the company

1.1 Product identifier (commercial name): IsoFalt HQ, high-performance repair asphalt

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified applications:

Repair asphalt for roadworks

1.3 Details on the supplier providing the safety data sheet

Manufacturer / supplier:	Süddeutsche Teerindustrie GmbH & Co. KG
Street/PO box:	Otto-Eckerle-Str. 7-11
Country code/postcode/town:	DE - 76316 Malsch
Phone / fax / email:	+49 7246 - 9116-0 / +49 7246 - 9116-70; Email: info@stm-malsch.de

1.4 Emergency number: Poison Control Centre - Uniklinik Freiburg: +49 761 / 19240

SECTION 2: Possible risks

2.1 Classification of the substance or mixture

Regulation (EV) No. 1272/2008

This product is not classified under the CLP regulation (classification, labelling and packaging of substances).

2.2 Labelling elements

According to Regulation (EC) No. 1272/2008, no labelling required

Hazard-determining component(s) for labelling

Hazard pictograms *not required*
· ***Signal words*** *not required*
· ***Hazard warnings*** *not required*

2.3 Other hazards: None

· **Results of PBT and vPvB assessment**

PBT *Not applicable.*

· ***vPvB*** *Not applicable*

SECTION 3: Composition/information on components

3.1 Substances

This product is a mixture.

3.2 Mixtures

Composition/information on components

IsoFalt HQ consists of bitumen, natural asphalt and fine aggregates

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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

If inhaled: If vapours are inhaled, take the person out into the fresh air immediately. If the person feels unwell, consult a doctor immediately.

On skin contact: In the event of burns: If a person comes into contact with the molten product, cool immediately with plenty of cold water. Do not attempt to remove congealed product - go straight to hospital.

On eye contact:

Rinse with sterilised water and consult a doctor immediately.

If ingested:

DO NOT invoke vomiting. If ingested, rinse mouth with water, consult a doctor and drink plenty of water in small sips.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indications for immediate medical help or special treatment

SECTION 5: Firefighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

Extinguish burning product with foam, extinguishing powder or sand. DO NOT use water to extinguish fires. If the fire is in the boiler, extinguish the fire by closing the lid.

Unsuitable extinguishing agents for safety reasons

DO NOT use water.

5.2 Special hazards arising from the substance or mixture

Toxic gases may form if heated or in case of fire. Hazardous decomposition products see chapter 10: Stability and reactivity.

5.3 Notes for fire fighting

In case of fire, wear a self-contained breathing apparatus. Collect contaminated extinguishing water separately, it must not enter the sewage system. Fire residues and contaminated extinguishing water must be disposed of in accordance with local official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental protection measures

Allow the product to cool thoroughly and then remove the solidified mass. Dispose of the substances in accordance with local regulations.

6.3 Methods and material for retention and cleaning

Allow the product to cool thoroughly and then remove the solidified mass. Dispose of the substances in accordance with local regulations.

6.4 Reference to other sections

Observe safety precautions under sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes on safe handling

The usual precautions when handling chemicals must be adhered to. Handling instructions are to be found in our technical bulletin. Wear appropriate PPE and gloves when handling hot materials.

Notes on fire and explosion protection

7.2 Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

No special storage measures necessary. IsoFalt HQ does not have a limited shelf life.

Notes on storage alongside other materials:

not required

7.3 Specific end uses

Please refer to our technical bulletin for additional information.

SECTION 8: Limiting and monitoring exposure / personal protective equipment

8.1 Parameters to be monitored

Components with critical values that require monitoring at the workplace:

MATERIALS	
Maximum Allowable Concentrations (Germany)	
IOELV (European Union)	

8.2 Limiting and monitoring exposure / personal protective equipment

Suitable technical control units

Technical measures and the use of suitable working methods take priority over using personal protective equipment. Ensure adequate ventilation (do not use in enclosed spaces).

Personal protective equipment

Select the type of personal protective equipment specific for the workplace based on the concentration and quantity of hazardous substances.

Respiratory protection

Do not inhale vapours

Hand protection

Wear suitable protective gloves and protective clothing when working.

Eye protection

Wear safety goggles - hygiene measures: Do not smoke during application.

Environmental exposure controls and monitoring

See sections 6 and 7.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties. Appearance

Appearance: solid, black **Smell: odourless**

Safety-related data

pH value:	Unknown
Boiling point, boiling range:	Unknown
Flash point: Auto-ignition	260 °C
temperature:	270 °C
Decomposition temperature:	200 °C
Explosion limits:	Unknown
Relative density (bulk weight)	approx. 2.1 g/cm³
Density by volume:	approx. 2.4
g/cm³	
Water solubility:	Insoluble

Fat solubility: Insoluble

Solvent solubility: Soluble in toluene and trichlorethylene

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

see 10.3

10.2 Chemical stability

In normal ambient conditions (room temperature), the product is chemically stable.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Keep away from acids and powerful oxidants.

10.5 Incompatible materials

10.6 Hazardous decomposition products

At high temperatures, hazardous decomposition products and gases such as carbon monoxide may be released. Aromatic bonds.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity

b) Caustic effect

c) Irritant

At high temperatures, the vapours may cause eye and nasal irritation.

d) Sensitisation

When hot, the material may cause burns

e) Toxicity with repeated administration

No known effect based on the current state of knowledge.

f) Carcinogenicity

No known effect based on the current state of knowledge.

g) Mutagenicity:

No known effect based on the current state of knowledge.

h) Reproductive toxicity

No known effect based on the current state of knowledge.

SECTION 12: Environmental information

12.1 Toxicity

No additional information available.

12.2 Persistence and biodegradability:

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

Water polluting class: 0 (self-assessment as per AwSV (German Ordinance on facilities for handling substances that are hazardous to water))

12.5 Results of PBT (persistent, bioaccumulative & toxic) and vPvB (very persistent & very bioaccumulative) assessment

Not applicable.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal information

13.1 Waste treatment methods

Do not dispose of the material with household waste. Do not allow to enter the sewage system. Requires special treatment in compliance with local regulations.
In Germany, the Recycling and Waste Disposal Act (KrW-/AbfG) establishes the obligation to recycle.

Waste code

The waste code number according to the list of waste types regulation (AVV) varies by waste producer and may therefore vary for a product. The waste code number must therefore be determined by each waste producer individually.

Soiled packaging

Discard according to regulatory requirements. Packaging which cannot be cleaned must be disposed of in the same manner as the substance.

Cleaned packaging

Contaminated packaging should be emptied as best as possible and may be recycled after proper cleaning.

SECTION 14: Transport information

14.1 UN number

14.2 UN proper shipping name

ADR/RID

IMDG Code / ICao-TI / IATA-DGR

14.3 Transport hazard classes

ADR / RID / IMDG Code / ICAO-TI / IATA-DGR

Class: Danger
label:

14.4 Packing group

14.5 Environmental hazards

Hazardous substances indicator/code

ADR / RID / IMDG code yes / no

ICAO-TI / IATA-DGR: yes / X no

14.6 Special precautions for the user

See sections 6 – 8

14.7 Bulk transport according to Annex II of MARPOL 73/78 and according to the IBC Code The delivery may only be released in suitable packaging approved under traffic law. Pollution category (X, Y or Z): not determined

Ship type (1, 2 or 2): not determined

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

EU regulations:

Regulation (EC) No. 1005/2009 (substances that deplete the ozone layer):

Not applicable.

Regulation (EC) No. 850/2004 (persistent organic pollutants):

Not applicable.

Regulation (EC) No. 649/2012 (export and import of hazardous chemicals):

Not applicable.

Regulation (EC) No. 648/2004 (detergents regulation):

Not applicable.

Approvals pursuant to Title VII of Regulation (EC) No. 1907/2006

None

Restrictions pursuant to Title VIII of Regulation (EC) No. 1907/2006

Observe the restrictions under Annex XVII Entry 3

National regulations:

Employment limitation information:

Observe the employment limitations for expectant and nursing mothers under Sections 4 and 5 MuSchRiV and for youths under Sections 22 JArbSchG.

Major Accidents Ordinance:

The quantity thresholds under the Major Accidents Ordinance must be observed.

Classification according to Ordinance on Industrial Safety and Health (BetrSichV)

Water hazard class

Class: (self-assessment as per AwSV (German Ordinance on facilities for handling substances that are hazardous to water))

Reference to Technical Rules for Hazardous Substances

TRGS 510: Storage of hazardous materials in mobile containers.

Solvent Regulation (31st BImSchV)

VOC content: % (calculated)

15.2 Chemical Safety Assessment

The mixture has not undergone a safety assessment

SECTION 16: Other information

The information is based on our current state of knowledge but does not constitute an assurance of the product properties or a contractual relationship.

Limitations of use recommended by the manufacturer: For commercial use only – not a public product.

Changes from the previous version Sections (and

subsections): 1-16 **References and data sources**

Regulations

Preparations Directive
(1999/45/EC), Dangerous
Substances Directive (67/548/EEC)
REACH regulation (EU) no. 1907/2006
CLP regulation (EU) no. 1272/2008

Internet

www.baua.de; gischem.de; echa.europa.eu

Hazard statements referenced in section 2 and 3

According to Regulation (EC) No. 1272/2008:

According to Directives 67/548/EEC and 1999/45/EC:

Methods under Article 9 of Regulation (EC) No. 1272/2008 for assessing the information for classification purposes:

Physical hazards: Assessment of test data,
Health and environmental hazards: Calculation method

Legend:

ADR: European treaty on the International Carriage of Dangerous Goods by Road - BImSchV Ordinance on the implementation of the Federal Emission Control Act
CAS Chemical Abstracts Service
DIN Standard of the German Institute for Standardisation
EC Effective concentration
EC European Community
EN European standard
IATA-DGR International Air Transport Association-Dangerous Goods Regulation
IBC Code International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk. - ICAO-TI International Civil Aviation Organisation Technical Instructions
IMDG Code International Maritime Code for Dangerous Goods
ISO Standard issued by the International Standards Organization
IUCLID International Uniform Chemical Information Database
LC Lethal concentration
LD Lethal dose
Log Kow Octanol/water partition coefficient
MARPOL Maritime Pollution Convention - OECDOrganisation for Economic Co-operation and Development
PBT Persistent, bioaccumulative and toxic
RID Regulations concerning the International Carriage of Dangerous Goods by
Rail 3r - TRGS Technical Guideline for the Handling of Hazardous Materials
UN United Nations
VOC Volatile Organic Compounds - vPvB Very persistent and very bioaccumulative
VwVwS: German Regulation on Substances Hazardous to Water - WGK Water hazard class

Appendix: -